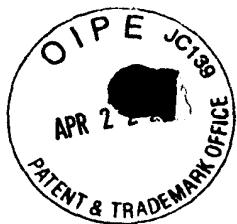


218957US8



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: :

Kazunori MUKASA : EXAMINER: unassigned

SERIAL NO: 10/086,413 :

FILED: MARCH 4, 2002 : GAU: 2874

FOR: OPTICAL FIBER AND WAVELENGTH  
DIVISION MULTIPLEX TRANSMISSION  
LINE

RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

In response to Notice to File Corrected Application Papers dated April 9, 2002,  
submitted herewith is an abstract of the disclosure on a separate sheet.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

Gregory J. Maier  
Registration No. 25,599  
Masayasu Mori  
Registration No. 47,301  
Attorneys of Record



22850

Tel: (703) 413-3000

Fax: (703) 413-2220

GJM/MM:si

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## ABSTRACT OF THE DISCLOSURE

An optical fiber includes center and first side cores. An apparent refractive index differences of the center and first side cores are 1.15 to 1.40% and -0.60 to -0.35, respectively. A constant expressing a profile of a distribution of refractive index of the center core is 1.0 to 5.0. A ratio of diameters of the first side and center cores is 1.6 to 2.4. A dispersion value is -60 to -35 ps/nm/km, a dispersion slope is -0.40 to -0.10 ps/nm<sup>2</sup>/km, a transmission loss is 0 to 0.35 dB/km, a ratio of loss to dispersion is 120 to 500 (ps/nm)/dB, a polarization mode dispersion is 0 to 0.15ps /  $\sqrt{\text{km}}$  , and an effective core area is 19 to 50  $\mu\text{m}^2$  when the wavelength is 1.55  $\mu\text{m}$  band. A bending loss at a diameter of 20 mm is 0 to 5 dB/m.

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Docket No.: 218957US8

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

RE: Application Serial No.: 10/086,413  
Applicants: Kazunori MUKASA  
Filing Date: MARCH 4, 2002  
For: OPTICAL FIBER AND WAVELENGTH DIVISION  
MULTIPLEX TRANSMISSION LINE  
Group Art Unit: 2874  
Examiner: unassigned

GREGORY J. MAIER  
(703) 413-3000  
GMAIER@OBLON.COM  
MASAYASU MORI  
(703) 413-3000  
MMORI@OBLON.COM  
\*BAR OTHER THAN VIRGINIA

SIR:

Attached hereto for filing are the following papers:

**NOTICE TO FILE CORRECTED APPLICATION PAPERS**  
**RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS**

Our check in the amount of \$0.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

Gregory J. Maier  
Attorney of Record  
Registration No. 25,599  
Masayasu Mori  
Registration No. 47,301



22850

(703) 413-3000 (phone)  
(703) 413-2220 (fax)  
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## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
 UNITED STATES PATENT AND TRADEMARK OFFICE  
 WASHINGTON, D.C. 20231  
 www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/086,413	03/04/2002	Kazunori Mukasa	218957US8

## CONFIRMATION NO. 1376

22850  
 OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC  
 FOURTH FLOOR  
 1755 JEFFERSON DAVIS HIGHWAY  
 ARLINGTON, VA 22202

## FORMALITIES LETTER



'OC000000007828511'

Date Mailed: 04/09/2002

## NOTICE TO FILE CORRECTED APPLICATION PAPERS

*Filing Date Granted*

This application has been accorded an Application Number and Filing Date. The application, however, is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given **TWO MONTHS** from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

The required item(s) identified below must be timely submitted to avoid abandonment:

- An Abstract not to exceed 150 words in length, commencing on a separate sheet (37 CFR 1.72(b)).

*A copy of this notice MUST be returned with the reply.*

B. Hebertson  
 Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE